



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE

United States Patent and Trademark Office

Address: COMMISSIONER FOR PATENTS

P.O. Box 1450

Alexandria, Virginia 22313-1450

www.uspto.gov

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 10/562,618 | 05/15/2006 | Jan Boer | Boer 7-3-2-3 | 6192 |

47386

7590

09/26/2011

RYAN, MASON & LEWIS, LLP
1300 POST ROAD
SUITE 205
FAIRFIELD, CT 06824

EXAMINER

ART UNIT

PAPER NUMBER

DATE MAILED: 09/26/2011

Please find below and/or attached an Office communication concerning this application or proceeding.



UNITED STATES DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office

Address : COMMISSIONER FOR PATENTS

P.O. Box 1450

Alexandria, Virginia 22313-1450

| APPLICATION NO./ CONTROL NO. | FILING DATE | FIRST NAMED INVENTOR / PATENT IN REEXAMINATION | ATTORNEY DOCKET NO. |
|---------------------------------|--------------|---|---------------------|
| 10/562,618 | 15 May, 2006 | BOER ET AL. | Boer 7-3-2-3 |

| | | | |
|--|--|------------|----------|
| RYAN, MASON & LEWIS, LLP 1300 POST ROAD SUITE 205 FAIRFIELD, CT 06824 | | EXAMINER | |
| | | FRED CASCA | |
| | | ART UNIT | PAPER |
| | | 2617 | 20110913 |

DATE MAILED:

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner for Patents

PTO-892 has been added to include NPL document (V-Blast: An Architecture for Realizing Very High Data Rates Over the Rich-Scattering Wireless Channel). This NPL document was indicated in the background section of the Applicant's Specification. The examiner has used this NPL document to show inherent characteristics of MIMO (e.g., diagonalized MIMO channel by using Singular Value Decomposition, SVD). Although no publishing date appears on the face of the document, the applicant appears to have knowledge of its existence by indicating and referring to it in the background section of the Specification.

/Patrick N. Edouard/
Supervisory Patent Examiner, Art Unit 2617